

Title (en)
METHOD AND SYSTEM FOR ENHANCING TRAFFIC ESTIMATION USING TOP VIEW SENSOR DATA

Title (de)
VERFAHREN UND SYSTEM ZUR VERBESSERUNG DER VERKEHRSABSCHÄTZUNG UNTER VERWENDUNG VON SENSORDATEN DER DRAUFSICHT

Title (fr)
PROCÉDÉ ET SYSTÈME POUR AMÉLIORER L'ESTIMATION DE TRAFIC UTILISANT DES DONNÉES DE CAPTEUR DE VUE SUPÉRIEURE

Publication
EP 3992940 B1 20230830 (EN)

Application
EP 21205133 A 20211028

Priority
US 202017084652 A 20201030

Abstract (en)
[origin: EP3992940A1] Method and system for controlling at least one of a traffic infrastructure device, an actuator of a traffic participant based on enhanced traffic data is provided. The method comprises steps of monitoring, by a trigger processor, an area; generating, by the trigger processor, trigger data in case a trigger event is determined in the monitored area and providing the generated trigger data indicating an area-of-interest to an image data source; obtaining image data on the area-of-interest based on the transmitted trigger data and transmitting the obtained image data to a traffic evaluation processor; evaluating, by the traffic evaluation processor, the obtained image data to generate enhanced traffic data on the area-of-interest; and outputting, by the traffic evaluation processor, the generated enhanced traffic data in a control signal, wherein the control signal is configured to control the traffic infrastructure device and/or the actuator of the traffic participant.

IPC 8 full level
G08G 1/04 (2006.01); **G06V 20/54** (2022.01)

CPC (source: EP US)
G06V 10/25 (2022.01 - US); **G06V 20/13** (2022.01 - US); **G06V 20/17** (2022.01 - US); **G06V 20/182** (2022.01 - US); **G06V 20/54** (2022.01 - US); **G08G 1/0116** (2013.01 - US); **G08G 1/0125** (2013.01 - US); **G08G 1/0145** (2013.01 - US); **G08G 1/0175** (2013.01 - US); **G08G 1/04** (2013.01 - EP US); **G06V 20/13** (2022.01 - EP); **G06V 20/17** (2022.01 - EP); **G06V 20/54** (2022.01 - EP); **G08G 1/012** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3992940 A1 20220504; **EP 3992940 B1 20230830**; JP 2022074068 A 20220517; JP 7495384 B2 20240604; US 11948454 B2 20240402; US 2022139213 A1 20220505

DOCDB simple family (application)
EP 21205133 A 20211028; JP 2021175562 A 20211027; US 202017084652 A 20201030